I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: February 24, 2006 Name: Terry Wand

Signature: Land

BRINKS HOFER GILSON &LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re	e Appln. of:	Ko, e	et al.			1						
App	pln. No.: 10/502,110						Examiner:					
File	d:	July 21, 2004					Art Unit: 2826					
For	,											
Atto	Attorney Docket No: 10555-085											
Com: P. O.	Mail Stop Amendment Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450						TRANSMITTAL					
Sir:												
Attac	ched is/are:											
\boxtimes	Second Supple references	emental	Inform	ation Disclosure St	atement and	d 1 Sheet	of Form PT	0-14	49, and 5	5 required		
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	Small Entity.											
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In re Appln. of: KO ET AL.

Appln. No.: 10/502,110

Filed: July 21, 2004

For: PLANAR AVALANCHE

PHOTODIODE

Attorney Docket No: 10555-085

Examiner:

Art Unit: 2826

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b), Applicants hereby cite the following reference(s):

No.	Date of Publication	Patentee/Applicant/Assignee
6,104,047	08/2000	Watanabe
6,635,908	10/2003	Tanaka, et al.

M.A. Itzler, C.S. Wang, S. McCoy, N. Codd and N. Komba, Planar bulk InP avalanche photodiode design for 2.5 and 10Gb/s applications, Proc 24th ECOC 1998, paper MoB03

L.E. Tarof, J. Yu, R. Bruce, D.G. Knight, T. Baird and B. Oosterbrink, High frequency performance of separate absorption grading charge and multiplication InP/InGaAs avalanche photodiodes, IEEE Photon. Technol. Lett. 5, 672-674, 1993

Watanabe, T. Nakata, M. Tsuji, K. Makita, K. Taguchi, High reliability and low dark current 10 Gb/s planar superlattice avalanche photodiodes, IEEE Photon. Technol. Lett. 9, 1619-1621, 1997

J.C. Campbell, S. Demiquel, F. Ma, A. Beck, X. Guo, S. Wang, X. Zeng, X. Li, J.D. Beck, M.A. Kinch, A. Huntington, L.A. Coldren, J. Decobert, N. Tscherptner, Recent advances in avalanche photodiodes, IEEE J. Select. Topics Quantum Electron., 10, 777-787, 2004

R.R. Sutherland, C.P. Skrimshire, M.J. Robertson, A reliability methodology applied to very high reliability planar InGaAs/InP PIN photodetectors, Br. Telecom. Technol. J., 7, 69-77, Jan. 1989

Applicants are enclosing Form PTO-1449 (one sheet), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). As each of the listed references is in English, no further commentary is believed to be necessary,

37 C.F.R §1.98(a)(3). Applicants respectfully request the Examiner's consideration of the above reference(s) and entry thereof into the record of this application.

By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

Applicants have calculated no fee to be due in connection with the filing of this Statement. However, the Director is authorized to charge any fee deficiency associated with the filing of this Statement to a deposit account, as authorized in the Transmittal accompanying this Statement.

Respectfully submitted,

2/24/06

John M. Card (Reg. No.48,423)

FORM PTO-1449

APPLICATION NO.

10/502,110

10555-085

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

APPLICANT(S): Ko, et al.

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE	
	6,104,047	08/2000	Watanabe			
	6,635,908	10/2003	Tanaka, et al.			
		 				
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FOREIGN PATENT DOCUMENTS

EXAMINER	DOCUMENT			CLASS/	TRANSLATION	
INITIAL	NUMBER	DATE	COUNTRY	SUBCLASS	YES	NO
		 				
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)					
M.A. Itzler, C.S. Wang, S. McCoy, N. Codd and N. Komba, Planar bulk InP avalanche					
photodiode design for 2.5 and 10Gb/s applications, Proc 24th ECOC 1998, paper MoB03 L.E. Tarof, J. Yu, R. Bruce, D.G. Knight, T. Baird and B. Oosterbrink, High frequency					
Watanabe, T. Nakata, M. Tsuji, K. Makita, K. Taguchi, High reliability and low dark current 10 Gb/s planar superlattice avalanche photodiodes, IEEE Photon. Technol. Lett. 9, 1619-1621, 1997					
J.C. Campbell, S. Demiquel, F. Ma, A. Beck, X. Guo, S. Wang, X. Zeng, X. Li, J.D. Beck, M.A. Kinch, A. Huntington, L.A. Coldren, J. Decobert, N. Tscherptner, Recent advances in avalanche photodiodes, IEEE J. Select. Topics Quantum Electron., 10, 777-787, 2004					
R.R. Sutherland, C.P. Skrimshire, M.J. Robertson, A reliability methodology applied to very high reliability planar InGaAs/InP PIN photodetectors, Br. Telecom. Technol. J., 7, 69-77, Jan. 1989					

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